

As the below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to our names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought in the application entitled:

A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS SIGNALING

PATHWA	Y AND THERAPEYETIC AND D	IAGNOSTIC APPLICAT	TIONS BASED THEREON
which application is: the attached appl (for original application) that we have reviewed and amended by any amendmen material to the patentability States Code §119, §172 or and have also identified or	understand the contents of the spot referred to above; that we acknow of this application under 37 C.F.I. § 365 of any provisional application	Applifiled Jul and (for deciple our duty to disclose the conformal of the above-id wiedge our duty to disclose the conformal or foreign application(s) for patent or inventor's certain	ication No. 09/915,543 y 27, 2001, and amended on July 27, 2001 aration not accompanying application) entified application, including the claims, a information of which we are aware which claim priority benefits under Title 35, United or patent or inventor's certificate listed belocificate on this invention having a filing da Priority Claimed YES
subject matter of each of provided by the first paragr to the patentability of this	the claims of this application is n raph of Title 35, United States Cod-	ot disclosed in a listed pr e, §112, We acknowledge	application(s) listed below and, insofar as the ior United States application in the mannour duty to disclose any information material efiling date of the prior application and the state of the state
Application No	o. Fili	ng Date	Status
Darryl Mexic, Reg. No. 23. Waddell A. Biggart, Reg. No. 28,703; John R. Inge, Reg. Turner, Reg. No. 29,710; I 31,333; Gordon Kit, Reg. No. 32,197; William H. Mandi Rosner, Reg. No. 33,276; Robert M. Masters, Reg. I transact all business in the light stransact all business in the light stransact and stransact	,063; Robert V. Sloan, Reg. No. 22 No. 24,861; Louis Gubinsky, Reg. No. 26,916; Joseph J. Ruch, Jr., Howard L. Bernstein, Reg. No. 25, No. 30,764; Susan J. Mack, Reg. No. r, Reg. No. 32,156; Scott M. Dani Bruce E. Kramer, Reg. No. 33,725 No. 35,603 and George F. Lehnigl Patent and Trademark Office conne	,775; Peter D. Olexy, Reg. No. 24,835; Neil B. Siegel, Reg. No. 26,577; Sheldor 665; Alan J. Kasper, Reg. D. 30,951; Frank L. Bernste els, Reg. No. 32,562; Bria; Paul F. Neils, Reg. No. C, Reg. No. 36,359, our a cted therewith, and request	9,292; Robert J. Seas, Jr., Reg. No. 21,09. No. 24,513; J. Frank Osha, Reg. No. 24,62 Reg. No. 25,200; David J. Cushing, Reg. No. 1. Landsman, Reg. No. 25,430; Richard (No. 25,426; Kenneth J. Burchfiel, Reg. No. 11,484; Mark Boland, Reg. No. 11,484; Mark Boland, Reg. No. 12,778; Abraham (13,102; Brett S. Sylvester, Reg. No. 32,76 thorneys to prosecute this application and that all correspondence about the application of Pennsylvania Avenue, N.W., Washingto
belief are believed to be tru so made are punishable by	e; and further that these statements	were made with the knowl ider Section 1001 of Title	that all statements made on information ar edge that willful false statements and the lik 18 of the United States Code and that suc g thereon.
Date	. 2001 First	Inventor Konrad First Name	BASLER Middle Initial Last Name
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	Winterthurerstrasse 190, CH-8057	, Zürich, SWITZERLAND	

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Citizenship

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						EDOESCH
Date	<u> </u>		I hird Inventor	Barbara First Name	Middle Initial	FROESCH Last Name
Residence	Zürich	SWITZERLAN	ID Signat	ure		
	City	State/Country	<u> </u>			
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Date .	18 9 7	1	Fourth Inventor	Thomas		KRAMPS
- Daic	- M / 1.			First Name	Middle Initial	Last Name
Residence	Zürich	SWITZERLAN	ND Signat	ure <u> </u>	K-sacry,	
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Citizenship	GERM.	NY				
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				First Name	Middle Initial	Last Name
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Citizenship	SWITZ	ERLAND				
Date			Sixth Inventor	P' - N'	N (3 3) - 1 - (4) 3	Lost No
Dooidense			Signat	First Name	Middle Initial	Last Name
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Post Office A	Address:					
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Citizenship						

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SWITZERLAND

tizenship

DECLARATION AND POWER OF ATTORNEY

he below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought le application entitled:

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	A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS SIGNALING
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original applicati	ion) nort	g a 2001 💆		27, 2001, and amende	th Off 3019 27, 200 .
	i Kon	\mathcal{L}	and (for doctor	ation not accompany	ing application)
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	X Vy	the contents of the specific	eation of the above-iden	tified application, in	cluding the claims, as
nded by any ame erial to the paten es Code §119, §1	endment referred to tability of this appoint on §365 of any fied on said list as	above, that we acknowledge of above, that we acknowledge offication under 37 C.F.R. § provisional application or for my foreign application for party of which priority is claimed:	1.56, that we hereby cla	im priority benefits to patent or inventor's dicate on this invention	under Title 35, United certificate listed below in having a filing date
Application Num		Country	Filling Date	Priority	Claimed
60/221,502		United States	July 28, 2000	Y	ES
ject matter of ea vided by the first he patentability of	ch of the claims paragraph of Title of this application	5, United States Code §120 of this application is not die 35, United States Code, §1 under 37 C.F.R. 1.56 which of this application:	12. We acknowledge ou	r duty to disclose an	y information material
		Filing D	ate	Status	
Whhir	ation No.				
rryl Mexic, Reg. 1 ddell A. Biggart, 703; John R. Ing mer, Reg. No. 29 333; Gordon Kit, 197; William H. sner, Reg. No. 33 bert M. Masters, nsact all business addressed to SU 2, 20037-3213.	No. 23,063; Rober Rcg. No. 24,861; ge, Reg. No. 26,93 0,710; Howard L. Reg. No. 30,764; Mandir, Reg. No. 3,276; Bruce E. K Reg. No. 35,603 in the Patent and IGHRUE, MIO	t V. Sloan, Reg. No. 22,775 Louis Gubinsky, Reg. No. 2 6; Joseph J. Ruch, Jr., Reg Bernstein, Reg. No. 25,665; Susan J. Mack, Reg. No. 30 32,156; Scott M. Daniels, 1 ramer, Reg. No. 33,725; Pa and George F. Lehnigk, Ref frademark Office connected N, ZINN, MACPEAK &	4,835; Neil B. Siegel, R. No. 26,577; Sheldon J. Alan J. Kasper, Reg. No. 951; Frank L. Bernstein Reg. No. 32,562; Brian all F. Neils, Reg. No. 3: eg. No. 36,359, our attempt therewith, and request to SEAS, PLLC, 2100	eg. No. 25,200; Davi I. Landsman, Reg. No. 25,426; Kenneth I. Reg. No. 31,484; N W. Hannon, Reg. N 3,102; Brett S. Sylve princeps to prosecute to that all correspondence Pennsylvania Avenu	d J. Cushing, Reg. No. lo. 25,430; Richard C. J. Burchfiel, Reg. No. Mark Boland, Reg. No. o. 32,778; Abraham J. ster, Reg. No. 32,765; this application and to e about the application te, N.W., Washington,
ief are believed to	o be true; and furth	made herein of our own kn her that these statements were herisonment, or both, under the validity of the applicati	e made with the knowled Section 1001 of Title 1	8 of the United Stat	SOURCED AND THE PERSON
te		First Inve	entor Konrad	BASLE	
			First Name	Middle Initial	Last Name
sidence Züri	ch	SWITZERLAND	Signature		
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st Office Address	: <u>c/o Institu</u>	te of Molecular Biology, UN	NZH		
		rerstrasse 190, CH-8057, Zu	rich, SWITZERLAND		

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Data /	2 6-11	second Inventor Erich	BRUNNER
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		m p	EDOESCH
Date	10.7	Third Inventor Barbara First Name Middle Initial	FROESCH Last Name
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Date		Fourth Inventor Thomas First Name Middle Initial	KRAMPS Last Name
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Citiconahin	GERMA	NTV	
Citizenship	GERMA	NY .	
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Kesidence	Zürich City	SWITZERLAND Signature State/Country	
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Citizenship	SWITZE	RLAND	
Date		Sixth Inventor	
D :1		First Name Middle Initial	Last Name
Residence	City	Signature State/Country	
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Post Office A	ddress:		
Citizenship			



DECLARATION AND POWER OF ATTORNEY

As the below named inventors, we hereby declare that our residence, post office address and citizenships are as stated below next to our names: that we verily believe we are the original and joint inventors of the subject matter claimed and for which a patent is sought in the application entitled:

A NEW ESSENTIAL DOWNSTREAM COMPONENT OF THE WINGLESS SIGNALING PATHWAY AND THE REPUTIC AND DIAGNOSTIC APPLICATIONS BASED THEREON

PATHWAY AND THE PAPEUTIC AND D	AGNOSTIC AL LEGISTO
which application is: the attached application (for original application) NCT 3 9 2001	Mapplication No. 69/915,543 filed July 27, 2001, and amended on July 27, 2001 and (for declaration not accompanying application)

that we have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that we acknowledge our duty to disclose information of which we are aware which is material to the patentability of this application under 37 C.F.R. § 1.56, that we hereby claim priority benefits under Title 35, United States Code §119, §172 or §365 of any provisional application or foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate on this invention having a filing date before that of any foreign application on which priority is claimed:

Application Number Country Filing Date Priority Claimed
60/221,502 United States July 28, 2000 YES

We hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, We acknowledge our duty to disclose any information material to the patentability of this application under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.

Filing Date

Status

We hereby appoint John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gabushy, Reg. No. 24,835; Weil B. Siegel, Reg. No. 25,200; David J. Cushing Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603 and George F. Lehnigk, Reg. No. 36,359, our attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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Date	10.90	<u> </u>		Third Inventor	Barbara First Name	Midsle Initial	FROESCH Last Name
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Date			F	ourth Inventor	Thomas		KRAMPS
Residence	Zürich City		WITZERLAND tate/Country	Signat	First Name	Middle Initial	Last Name
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rost Office /	Addicis.		trasse 190, CH-8		ITZERLAND		
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Date	12.03.	2001	F	ifth Inventor	Oliver		PETER _
			MATTER LAND	Signatu	First Name	Middle Initial	Last Name
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Date	***************************************	- ann a cadhalan ann	Si	xth Inventor	Plate, II Statement		
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